

ABSTRACT

This invention relates to electrolytes containing ethyl methyl carbonate as a solvent for use in lithium cells or batteries containing metal phosphate cathodes. The invention further relates to electrolytes comprising ethyl methyl carbonate, ethylene carbonate, diethyl carbonate and propylene carbonate for use in lithium cells or batteries with metal phosphate cathodes, and to batteries employing such electrolytes. The electrolytes of the present invention are an improvement over other electrolytes used in lithium cells or batteries with metal phosphate cathodes in that the electrolytes are less prone to gassing and therefore have better shelf stability.